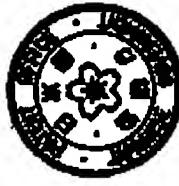


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PATENT ABSTRACTS OF JAPAN

(21) Application number: 58092754

(51) Int. Cl.: B29F 1/00

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(30) Priority:	(71) Applicant: MITSUBISHI ELECTRIC CORP		
(43) Date of application publication:	(72) Inventor: SHIGESATO HIDEO NISHIYAMA HIDEO		
(84) Designated contracting states:	(74) Representative:		

(54) MOLDING APPARATUS

(57) Abstract:

PURPOSE: To improve the safety enabling the prevention of possible ozone and others by introducing ultraviolet rays into a cavity core with an optical fiber from an ultra violet ray source provided separate from the cavity core to irradiate a molding material.

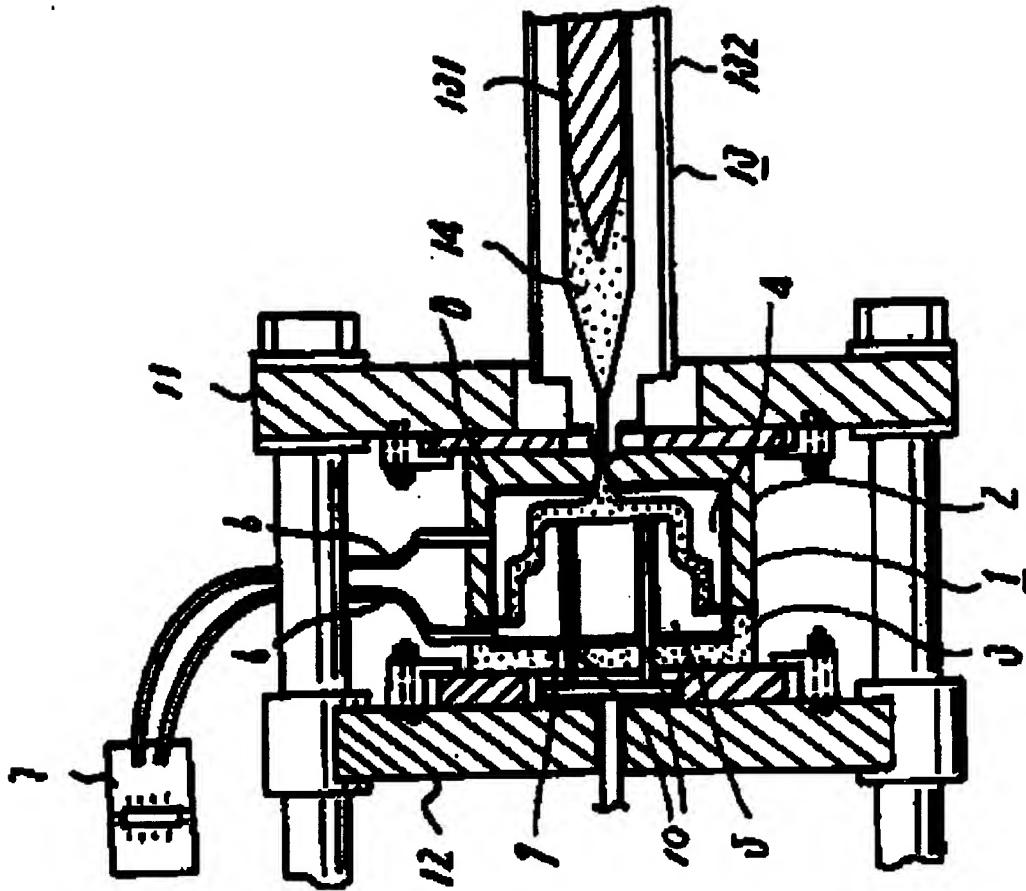
CONSTITUTION: An ultraviolet ray hardening molding material 14 is injected into a die 1 from an injection

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molding machine 12 to fill the space between a cavity core 5. Then, ultraviolet rays irradiate the cavity 4 and the cavity core 5 separately via an optical fiber 6 from a ultraviolet ray irradiation source 7. The ultraviolet rays are irradiated on the molding material filled between the cavity and cavity core being reflected on reflection layers 8 and 9 to solidify the molding material quickly. The molding thus solidified is released from the die by sticking out an ejector pin 10 from the cavity core 5 at the opening of the die.

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